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NanoCaTe, a project co-financed by the European Commission, is focused on innovative flexible thermoelectric materials, based on standard and modified nanocarbon materials like graphene or carbon nanotubes. Twelve partners from Austria, Denmark, Finland, Germany, and Spain develop materials for thermoelectric energy harvesting and energy storage for manifold applications like pulsed sensors or mobile electronic devices.

The integration of the developed materials into harvester and storage devices is a further step to characterize the performance of the innovative materials.

Finally, a demonstrator consisting of harvester, storage and energy management represents a self-sustaining, universally usable, and maintenance-free power supply.

The project strengthens the position of Europe in the field of thermoelectric and storage materials by developing devices with increased lifetime produced by cost-efficient technologies and therefore contributing to a further promotion of cleaner energy technologies.

For detailed information visit http://nanocate.eu/